

MODIS IOT Weekly Report

Mission Operations Days: 2000/030 to 2000/036

January 29, 2000 20:00:00 GMT to February 5, 2000 20:00:00 GMT

Terra Spacecraft and MODIS Instrument Status:

Terra (AM-1) is in Normal Mode

MODIS is in Safe Mode

MODIS has no known Anomalies

Blackbody	Off	Nominal
Calibration Electronics	Off	Nominal
Control Processor	B On; A off	Nominal
Door: Nadir	Unlatched, closed	Nominal
Space View	Unlatched, closed	Nominal
Solar Diffuser	Unlatched, closed	Nominal
FDDI Formatter	Off	Nominal
FIFO Memory	Off	Nominal
Format Processor	Off	Nominal
PC FPA	Off	Nominal
Power Supply: 1	Off	Nominal
2	On	Nominal
PV FPAs: VIS	Off	Nominal
NIR	Off	Nominal
SMIR	Off	Nominal
LWIR	Off	Nominal
Radiative Cooler:		
Outgas Heaters	Off	Nominal
LWIR FPA Heater	Off	Nominal
SMIR FPA Heater	Off	Nominal
Scan Assembly	Off	Nominal
SDSM	Off	Nominal
SRCA	Off	Nominal
Survival Heaters: PS1	Enabled	Nominal
PS2	Enabled	Nominal
Timing Generator	A Off, B On	Nominal
Flight Software	Rev BD	Nominal
Inhibit Ids Set	31,32,33,53,58	BB, CE, CP, SDSM, SD
TMONs enabled	None	Nominal

This Week's Completed MODIS Activities:

None.

This Week's Scheduled MODIS Activities Not Completed:

None.

Upcoming MODIS Events:

MODIS will recover from Safe Mode and transition to Science Mode on Friday, February 11, 2000. The following events will occur:

Transition to Standby Mode
Move the SVD to open position
Transition to Science Mode
Run PV Ecal with warm FPAs
Turn on the Blackbody
Set the Blackbody heater temperature to 285K
Open the SDD to the screened position
Close the SDD
Wait at least 5 minutes
Open the SDD to full open position
Close the SDD

No other activities are planned for the week.

MODIS Anomalies:

None.

General Instrument Comments:

MODIS is currently in Safe Mode with all three doors closed and unlatched. The timing generator is powered on the B side due to the transition to Safe Mode from Science Mode.

MODIS Telemetry Trends:

Telemetry is nominal.

Non-MODIS Significant Events:

2000/033/19:57 A 20 second thruster burn occurred and was successful.

2000/033/20:07 A 20 second thruster burn occurred and was successful.

Limited Life Item Status:

All limited life items are well within lifetime ranges. The precise statistics for each item have been received from LMMS/Valley Forge and will be incorporated next week.